

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|---------|---|------------------------------|------------------|---------|------------------|
| L1 | 31900 | "voice data" | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L2 | 7483 | switchboard | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L3 | 254 | L1 and L2 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L4 | 48390 | gateway | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L5 | 461 | "IP" adj terminal | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L6 | 233 | L4 and L5 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L7 | 0 | L2 and L6 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L8 | 1165447 | switch | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L9 | 143 | L6 and L8 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L10 | 61704 | recogni\$5 and (notify or notification) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L11 | 4997 | "voice data communication" | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L12 | 1438792 | switch\$5 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L13 | 4131 | L11 and L12 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L14 | 11890 | 370/401 or 370/465 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L15 | 18014 | 370/352 or 370/356 or 370/401 or 370/465 or 370/466 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |

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| L16 | 4553 | "IFW" or interwork\$3 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L17 | 8476 | "line switching" | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L18 | 1261 | L15 and L16 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L19 | 486 | L1 and L18 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L20 | 14 | bypass with switchboard | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L21 | 0 | L20 and L16 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L22 | 0 | L15 and L20 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L23 | 170 | "IP extension" | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L24 | 331 | L2 and L4 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L25 | 383 | relay adj route | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L26 | 642 | voice same "switchboard" | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L27 | 6475 | switch adj line | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L28 | 165 | voice same (switch adj line) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L29 | 0 | L16 same L28 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L30 | 0 | L16 same L27 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L31 | 48390 | gateway | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |

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| L32 | 166778 | "LAN" or "WAN" | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L33 | 61528 | "QoS" or "quality of service" or "quality-of-service" | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L34 | 8418 | L31 same L32 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L35 | 130 | L33 same L34 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L36 | 1 | L23 and L24 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L37 | 17 | Sugihashi | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L38 | 17 | L14 and L3 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L39 | 46 | L14 and L9 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L40 | 11 | L39 and L10 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L41 | 41 | ("5452291" "5473608" "5491812" "5608874" "5623605" "5710908" "5778189" "5845081" "5862481" "5898835" "5931906" "5938752" "5964836" "5968119" "5974449" "5991813" "5996024" "6320874").PN. OR ("6523696"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L42 | 14 | L5 and L13 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L43 | 8 | L19 and L17 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L44 | 14 | bypass with switchboard | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L45 | 3 | L2 and L19 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |

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| L46 | 2 | L18 and L25 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L47 | 28 | L16 and L27 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L48 | 9 | L1 same L35 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L49 | 47 | L35 and L15 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L50 | 57 | (media adj control) same (call adj control) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L51 | 130 | L33 same L34 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L52 | 331 | L2 and L4 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L53 | 486 | L1 and L18 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L54 | 1261 | L15 and L16 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L55 | 1469 | 370/401 and 370/465 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L56 | 11890 | 370/401 or 370/465 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L57 | 1748 | 370/353 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L58 | 1435 | 370/354 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L59 | 1670 | 370/355 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L60 | 7802 | 370/352 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L61 | 334 | voice same ("IP" or "internet protocol") same ("LAN" or "WAN") same packet same ("IFW" or interwork\$3 or gateway) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |

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|-----|---------|---|------------------------------|----|----|------------------|
| L62 | 24 | L57 and L61 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L63 | 20 | L58 and L61 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L64 | 22 | L59 and L61 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L65 | 31900 | "voice data" | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L66 | 7483 | switchboard | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L67 | 254 | L65 and L66 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L68 | 48390 | gateway | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L69 | 461 | "IP" adj terminal | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L70 | 233 | L68 and L69 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L71 | 0 | L66 and L70 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L72 | 1165447 | switch | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L73 | 143 | L70 and L72 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L74 | 61704 | recogni\$5 and (notify or notification) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L75 | 4997 | "voice data communication" | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L76 | 1438792 | switch\$5 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L77 | 4131 | L75 and L76 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |

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| L78 | 11890 | 370/401 or 370/465 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L79 | 18014 | 370/352 or 370/356 or 370/401 or 370/465 or 370/466 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L80 | 4553 | "IFW" or interwork\$3 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L81 | 8476 | "line switching" | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L82 | 1261 | L79 and L80 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L83 | 486 | L65 and L82 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L84 | 14 | bypass with switchboard | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L85 | 0 | L84 and L80 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L86 | 0 | L79 and L84 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L87 | 170 | "IP extension" | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L88 | 331 | L66 and L68 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L89 | 383 | relay adj route | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L90 | 642 | voice same "switchboard" | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L91 | 6475 | switch adj line | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L92 | 165 | voice same (switch adj line) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L93 | 0 | L80 same L92 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |

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|------|--------|---|------------------------------|----|----|------------------|
| L94 | 0 | L80 same L91 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L95 | 48390 | gateway | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L96 | 166778 | "LAN" or "WAN" | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L97 | 61528 | "QoS" or "quality of service" or "quality-of-service" | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L98 | 8418 | L95 same L96 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L99 | 130 | L97 same L98 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L100 | 1748 | 370/353 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L101 | 1435 | 370/354 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L102 | 1670 | 370/355 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L103 | 7802 | 370/352 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L104 | 334 | voice same ("IP" or "internet protocol") same ("LAN" or "WAN") same packet same ("IFW" or interwork\$3 or gateway) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L105 | 1 | L87 and L88 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L106 | 17 | Sugihashi | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L107 | 17 | L78 and L67 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L108 | 46 | L78 and L73 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L109 | 11 | L108 and L74 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |

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|------|-----|---|------------------------------|----|----|------------------|
| L110 | 41 | ("5452291" "5473608" "5491812" "5608874" "5623605" "5710908" "5778189" "5845081" "5862481" "5898835" "5931906" "5938752" "5964836" "5968119" "5974449" "5991813" "5996024" "6320874").PN. OR ("6523696"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L111 | 14 | L69 and L77 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L112 | 8 | L83 and L81 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L113 | 14 | bypass with switchboard | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L114 | 3 | L66 and L83 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L115 | 2 | L82 and L89 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L116 | 28 | L80 and L91 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L117 | 9 | L65 same L99 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L118 | 47 | L99 and L79 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L119 | 57 | (media adj control) same (call adj control) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L120 | 24 | L100 and L104 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L121 | 20 | L101 and L104 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L122 | 22 | L102 and L104 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L123 | 130 | L97 same L98 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |

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|------|-------|--|------------------------------|----|----|------------------|
| L124 | 331 | L66 and L68 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L125 | 486 | L65 and L82 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L126 | 1261 | L79 and L80 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L127 | 1469 | 370/401 and 370/465 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L128 | 11890 | 370/401 or 370/465 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:31 |
| L129 | 470 | (gateway or (interwork adj device)) same (switch or manager) same ("LAN" or "WAN") same "IP" | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:40 |
| L130 | 215 | (media adj control) and (call adj control) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:40 |
| L131 | 19 | 129 and 130 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/15 09:40 |

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|----------|------------------|---------|------------------|
| L1 | 7 | (voice AND (interwork or gateway) AND route AND "IP" and (switchboard or manager)).CLM. | US-PGPUB | OR | ON | 2005/11/15 14:24 |